

Review Form 3

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_128542
Title of the Manuscript:	Pigeon pea (Cajanus cajan (L.) Millsp) based cropping systems for sustainable production - a comprehensive review
Type of the Article	Review Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	In the context of climate change, population growth and overexploitation of soils, papers that take stock of what is known about sustainable fertility management measures are essential. This paper deals with the use of Cajanus cajan in cropping systems. The paper highlights the different cropping practices for Cajanus cajan but lacks a great deal of information. Several literature reviews exist but it is difficult to grasp what the literature adds.	
Is the title of the article suitable? (If not please suggest an alternative title)	Either the literature review is for India or even the Karnataka region, in which case it should be specified in the title.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The summary should be improved in line with the additions to the development.	
Is the manuscript scientifically, correct? Please write here.	From a scientific point of view, the document is aligned but it needs updating because the existing bibliographic base is more up-to-date. I suggest that the author consults google scholar to improve the scientific quality of his work. Example of keywords cajanus cajan cropping systems review intercropping cajanus cajan usage of peagon pea	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are old and deserve to be updated and reviewed	

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<p>The document is acceptable but needs updating.</p> <p>Some references</p> <p>1- Kushwaha, Ayushi and Mehta, Chandra Mohan (2023) Pigeon Pea (Cajanus cajan L.) Based Intercropping System: A Review. International Journal of Plant & Soil Science, 35 (18). pp. 1674-1689. ISSN 2320-7035 https://doi.org/10.9734/ijpss/2023/v35i183443</p> <p>2- Intercropping with Pigeonpea (Cajanus cajan L. Millsp.): An Assessment of Its Influence on the Assemblage of Pollinators and Yield of Neighbouring Non-Leguminous Crops https://doi.org/10.3390/life13010193</p> <p>3- Growth and production potential of pigeonpea (Cajanus cajan L.) as influenced by intercropping and integrated nutrient management DOI: https://doi.org/10.31018/jans.v8i1.770</p> <p>4- Pigeon pea (Cajanus cajan) an important food legume in Indian scenario - a review : Sarkar S.1,* , Panda S.2, Yadav K.K.3, Kandasamy P.4. Legume Research - An International Journal Year : 2020, Volume : 43, Issue : 5 First page : (601) Last page : (610) Print ISSN : 0250-5371. Online ISSN : 0976-0571. DOI : 10.18805/LR-4021</p> <p>5- Response of pigeonpea (Cajanus cajan)+ groundnut (Arachis hypogaea) intercropping system to planting pattern and phosphorus management HS Jat, IPS Ahlawat - Indian Journal of Agronomy, 2003 - indianjournals.com</p> <p>6- Review Article The Dietary Use of Pigeon Pea for Human and Animal : Diets Belete Kuraz Abebe, Hindawi Scientific World Journal Volume 2022, Article ID 4873008, 12 pages https://doi.org/10.1155/2022/4873008</p> <p>7- Economic and Financial Performance of Cajanus cajan Cultivation Systems in Benin in West Africa 2024 : European Scientific Journal, ESJ ISSN: 1857-7881 (Print) e - ISSN 1857-7431 Doi:10.19044/esj.2024.v20n22p66</p> <p>8- Characterization of innovations implemented in soybean production in northern Benin : Agronomie Africaine 35 (1) : 91 - 109 (2023)</p> <p>9- Breeding pigeonpea cultivars for intercropping: synthesis and strategies Kul Bhushan Saxena1), Arbind K. Choudhary*2), Rachit K. Saxena1) and Rajeev K. Varshney : Breeding Science 68: 159–167 (2018) doi:10.1270/jsbbs.17105</p> <p>10- Pigeonpea [(Cajanus cajan (L.) Millsp.)] production system, farmers’ preferred traits and implications for variety development and introduction in Benin :. Agric & Food Secur (2017) 6:48 DOI 10.1186/s40066-017-0129-1</p>	

PART 2:

	Reviewer’s comment	Author’s comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Dossou Jonas Aubin Degnon
Department, University & Country	Benin